

S2 Table

Gene	Icelandic population	British Pakistani	Autism spectrum disorders cases	Atherosclerosis Risk in Communities (ARIC)	Exome Aggregation Consortium subjects (ExAC)
F13a	-	-	-	1 frameshift; 1 splicing; 1 stop gained (4 individuals)	7 stop gained; 4 splice donor; 3 splice acceptor; 8 frameshift Allele count: 86
TGM1	1 splice acceptor (2 individuals)	-	-	1 frameshift; 1 splicing; 2 stop gained (8 individuals)	10 stop gained; 2 splice donor; 3 splice acceptor; 4 frameshift; Allele count: 66
TGM2	-	-	-	2 stop gained (4 individuals)	13 stop gained; 2 splice donor; 6 splice acceptor; 8 frameshift; Allele count: 54
TGM3	1 stop gained	-	-	2 frameshift; 1 splicing; 1 stop gained (4 individuals)	7 stop gained; 1 splice donor; 3 splice acceptor; 9 frameshift Allele count: 27

TGM4	1 stop gained (9 individuals)	1 Stop gained	1 Stop gained (1 individual case)	2 frameshift; 1 splicing 5 stop gained (129 individuals; 1 homozygote)	14 stop gained; 10 splice donor; 0 splice acceptor; 15 frameshift; Allele count: 1179; (11 homozygotes)
TGM5	1 stop gained 1 splice acceptor (3 individuals)	-	-	3 frameshift; 1 splicing; 3 frameshift (8 individuals)	11 stop gained; 10 splice donor; 3 splice acceptor; 16 frameshift; Allele count: 85
TGM6	1 stop gained 1 splice acceptor	-	-	3 frameshift; 3 stop gained (11 individuals)	13 stop gained; 10 splice donor; 5 splice acceptor; 11 frameshift; Allele count: 237; (1 homozygote)
TGM7	-	-	-	2 frameshift; 3 splicing; 1 stop gained (21 individuals)	10 stop gained; 5 splice donor; 3 splice acceptor; 10 frameshift; Allele count: 74